

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
RLL-290US

In Re Application Of: **MEHTA et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/552,502	October 7, 2005	TBA	26815	TBA	2259

Title: **3,6-DISUBSTITUTED AZABICYCLOHEXANE DERIVATIVES AS MUSCARINIC RECEPTOR ANTAGONISTS**



Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statements specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

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(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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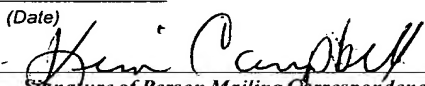
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Dated: **February 9, 2007**

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INFORMATION DISCLOSURE CITATION

Docket No.: RLL-290US

Serial No.: 10/552,502

Applicants: MEHTA *et al.*

Filed: 10/7/2005

Group:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	3,176,019	3/30/1965	Campbell <i>et al.</i>	260	293.4	
	A2	5,281,601	1/25/1994	Cross <i>et al.</i>	514	320	
	A3	5,948,792	9/7/1999	Tsuchiya <i>et al.</i>	514	317	
	A4	6,034,082	3/7/2000	MacKenzie <i>et al.</i>	514	233.5	
	A5	6,130,232	10/10/2000	Mase <i>et al.</i>	514	318	
	A6	6,174,900	1/16/2001	Okada <i>et al.</i>	514	317	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	B1	EP 0 325 571	7/26/1989	EPO	C07C	215/54		
	B2	EP 0 388 054	9/19/1990	EPO	C07D	207/08		
	B3	EP 0 801 067	10/15/1997	EPO	C07D	453/02		
	B4	GB 940,540	10/30/1963	UK	C07C			
	B5	JP 135958/1994	5/17/1994	Japan	C07D	333/16		
	B6	JP 92921/1994	4/5/1994	Japan	C07C	237/20		
	B7	WO 91/09013	6/27/1991	PCT	C07D	207/08		
	B8	WO 93/16018	8/19/1993	PCT	C05F	17/02		
	B9	WO 93/16048	8/19/1993	PCT	C07D	211/26		
	B10	WO 96/33973	10/31/1996	PCT	C07D	211/46		
	B11	WO 97/45414	12/4/1997	PCT	C07D	211/58		
	B12	WO 98/05641	2/12/1998	PCT	C07D	211/46		
	B13	WO 98/29402	7/9/1998	PCT	C07D	311/20		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	Kubo <i>et al.</i> , "Cloning, sequencing and expression of complementary DNA encoding the muscarinic acetylcholine receptor", <i>Nature</i> , 323(2):411-416 (1986)
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EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Group:

		Bonner et al., "Identification of a Family of Muscarinic Acetylcholine Receptor Genes", <i>Science</i> , 237:527-531 (1987)
	C3	Eglen et al., "Muscarinic receptor ligands and their therapeutic potential", <i>Current Opinion in Chemical Biology</i> , 3:426-432 (1999)
	C4	Eglen et al., "Therapeutic opportunities from muscarinic receptor research", <i>Trends in Pharmacological Sciences</i> , 22(8):409-414 (2001)
	C5	Felder et al., "Therapeutic Opportunities for Muscarinic Receptors in the Central Nervous System", <i>Journal of Medicinal Chemistry</i> , 43(23):4333-4353 (2000)
	C6	Broadley and Kelly, "Muscarinic Receptor Agonists and Antagonists", <i>Molecules</i> , 6:142-193 (2001)
	C7	Birdsall et al., "Muscarinic receptors: it's a knockout", <i>Trends in Pharmacological Sciences</i> , 22(5):215-219 (2001)
	C8	de Groat and Yoshimura, "Pharmacology of the Lower Urinary Tract", <i>Annual Review of Pharmacology and Toxicology</i> , 41:691-721 (2001)
	C9	Steers, "The future direction of neuro-urology drug research", <i>Current Opinion in CPNS Investigational Drugs</i> , 2(3):268-282
	C10	Chapple, "Muscarinic receptor antagonists in the treatment of overactive bladder", <i>Urology</i> , 55(Suppl. 5A):33-46 (2000)
	C11	Steers, Barrot, Wein, "Voiding dysfunction: diagnosis classification and management", In: <i>Adult and Pediatric Urology</i> , ed. Gillenwater, Grayhack, Howards, Duckett. Mosby, St. Louis, MO; 1220-1325, 3rd edition (1996)
	C12	Sagara et al., "Cyclohexylmethylpiperidinyltriphenylpropioamide: A Selective Muscarinic M3 Antagonist Discriminating against the Other Receptor Subtypes", <i>Journal of Medicinal Chemistry</i> , 45:984-987 (2002)
	C13	Mitsuya et al, "A Potent, Long-Active, Orally Active (2R)-2-[(1R)-3,3-Difluorocyclopentyl]-2-hydroxy-2-phenylacetamide: A Novel Muscarinic M ₃ Receptor Antagonist with High Selectivity for M ₃ over M ₂ Receptors", <i>Journal of Medicinal Chemistry</i> , 43(26):5017-5029 (2000)
	C14	Moriya et al., "Affinity Profiles of Various Muscarinic Antagonists for Cloned Human Muscarinic Acetylcholine Receptor (mAChR) Subtypes and mAChRs in Rat Heart and Submandibular Gland", <i>Life Sciences</i> , 64(25):2351-2358 (1999)
	C15	Cheng and Prusoff, "Relationship between the inhibition constant (K ₁) and the concentration of inhibitor which causes 50 per cent inhibition (I ₅₀) of an enzymatic reaction", <i>Biochemical Pharmacology</i> , 22:3099-3108 (1973)

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